

**CLAIMS:**

What is claimed is:

1. A method for tracking tasks in a logging system, the method comprising:
  - 5 receiving, at log task manager, a request from an application program to assign a unique task identification to a related events identified by the application program;
  - generating, at a log task manager, the unique task
  - 10 identification;
  - attaching the unique task identification to a transport mechanism that passes information between components;
  - combining the task identification with logging
  - 15 information generated by one of the components; and
  - filtering a plurality of logging information entries based on the task identification to correlate logging information associated with the related events for presentation to a user.
- 20 2. The method as recited in claim 1, wherein attaching the unique task identification to the transport mechanism comprises attaching the task identification to a local thread transport.
3. The method as recited in claim 2, further
- 25 comprising:
  - at the local thread transport, extending the inheritable thread local; and
  - at the local thread transport, placing the task identification on a local thread.

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4. The method as recited in claim 1, wherein the transport mechanism utilizes a remote proxy call.

5    6.    The method as recited in claim 1, wherein the  
transport mechanism utilizes a point to point protocol.

8. The method as recited in claim 1, wherein the  
10 transport mechanism utilizes a message context.

15       receiving, at the log task manager, a request from  
the application program for a second unique task  
identification assigned to second related serial events  
identified by the application program; and

10. The method as recited in claim 1, further comprising:

mapping a taskID to a corresponding action; and  
presenting logging information to a user based on  
25 the corresponding action.

11. A computer program product in a computer readable media for use in a data processing system for tracking tasks in a logging system, the computer program product comprising:

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        second instructions for generating, at a log task
10  manager, the unique task identification;

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fourth instructions for combining the task  
15 identification with logging information generated by one  
of the components; and

12. The computer program product as recited in claim 11, wherein attaching the unique task identification to the transport mechanism comprises attaching the task identification to a local thread transport.

sixth instructions, at the local thread transport,  
for extending the inheritable thread local; and

seventh instruction, at the local thread transport,  
for placing the task identification on a local thread.

15. The computer program product as recited in claim 11,  
wherein the transport mechanism utilizes port hardware.

17. The computer program product as recited in claim 11, wherein the point to point protocol is a hypertext transfer protocol.

19. The computer program product as recited in claim 11, wherein the unique task identification is a first unique task identification, the related events are first related serial events and further comprising:

sixth instructions for receiving, at the log task manager, a request from the application program for a second unique task identification assigned to second related serial events identified by the application program; and

Docket No. AUS920010501US1

seventh instructions for attaching the second unique task identification to the transport mechanism.

20. The computer program product as recited in claim 11, further comprising:

5 sixth instructions for mapping a taskID to a corresponding action; and

seventh instructions for presenting logging information to a user based on the corresponding action.

21. A system for tracking tasks in a logging system, the  
10 computer program product comprising:

a logging manager which receives request from an application program to assign a unique task identification to a related events identified by the application program;

15 a unique taskID generator which generates the unique task identification;

a task transport unit which attaches the unique task identification to a transport mechanism that passes information between components;

20 a logger which combines the task identification with logging information generated by one of the components; and

a filter which filters a plurality of logging information entries based on the task identification to  
25 correlate logging information associated with the related events for presentation to a user.

22. The computer program product as recited in claim 11, further comprising:

TOP SECRET 645660

Docket No. AUS920010501US1

a mapper which maps a taskID to a corresponding action; and

a presentation unit which presents logging information to a user based on the corresponding action.

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